



# Crescent Daily Drilling Report

Report Start Date: 12/21/2016

Report #: 6.0, DFS: 5.67

Depth Progress: 0.00

Well Name: Jayhawk 3203 #2-32

API/UWI 002	Surface Legal Location Sec. 32- T32S- R3W	License # 35386	State/Province Kansas
Spud Date 12/16/2016 14:00	Rig Release Date	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)
Weather	Temperature (°F)	Road Condition	Hole Condition
Operations at Report Time N/D & Set Slips		Operations Next Report Period Drilling Lateral Section	
Operations Summary N/D, Set Slips, N/U & Tes			
Remarks 7" Casing on Bottom & Cemented			
<b>Mud Checks</b>			
Type Water Base	Time 06:00	Depth (ftKB) 4,326.0	Density (lb/gal) 9.20
Vis (s/qt) 50	PV Override (Pa-s) 11.0	YP OR (lb/100ft²) 23.000	
Gel (10s) (lb/100ft²) 19.000	Gel (10m) (lb/100ft²) 34.000	Gel (30m) (lb/100ft²)	Filtrate (mL/30min) 8.8
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%)	Chlorides (mg/L) 33,000.000
			Calcium (mg/L)
			Potassium (mg/L)
			Electric Stab (V) 4.1

AFE Number 0002	AFE+Supp Amt (Cost) 1,611,600.00
Daily Field Est Total (Cost) 81,046.00	Cum To Date (Cost) 319,151.00
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Start Depth (ftKB) 4,326.0	End Depth (ftKB) 4,326.0
Start Depth (TVD) (ftKB)	End Depth (TVD) (ftKB)
Target Formation Mississippian	Target Depth (ftKB) 6,478.0
Time Log Total Hours (hr) 24.50	Problem Time Hours (hr) 0.00
Percent Problem Time (%) 0.00	Cum Prob Time (%) 0.00
Days LTI (days)	Days RI (days)

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code 2	Com
06:00	06:30	0.50	0.50	COND MUD & CIRC	Cir. hole clean
06:30	09:00	2.50	3.00	TRIPS	T.O.H. to lay skyline dir. tools down
09:00	10:30	1.50	4.50	TRIPS	Lay down dir. tools
10:30	14:00	3.50	8.00	TRIPS	T.I.H. For wiper trip
14:00	17:00	3.00	11.00	COND MUD & CIRC	cir. condition mud
17:00	19:30	2.50	13.50	TRIPS	TOH to Run Casing
19:30	21:00	1.50	15.00	RUN CASING & CEMENT	PJSM, R/U Casing Crew & L/D Machine
21:00	01:00	4.00	19.00	RUN CASING & CEMENT	PJSM, Make Up Shoe, 1 Shoe jt, Float & Run Total of 98 jts of 7", 26#, J-55 LT&C
01:00	02:30	1.50	20.50	COND MUD & CIRC	Circulate, R/D Casing Crew & L/D Machine
02:30	04:30	2.00	22.50	RUN CASING & CEMENT	PJSM, R/U O-Tex Cementers, Test lines to 3500 psi, 20 bbl Water Spacer, Pump 220 sx Lead Cement, 50:50 Poz Premium, 2% Gel, 0.3% C-15, 0.25# Celo-Flake, 0.25# Fiber X, 14.1 ppg, yield:1.27. Displace W/ 164 bbl, Final lift 550 psi, Test Floats w/ 500 over, Floats Held and Recived 1 bbl Back, Full Returns Throughout the job, R/D Cementers
04:30	06:30	2.00	24.50	NIPPLE UP B.O.P	Nipple Down BOP's

### Daily Contacts

Job Contact	Mobile
Emil Fahrig/Felix Ortiz Jr	830-534-8495

### Rigs

Contractor Dan-D	Rig Number 19
Rig Supervisor 918-448-0887	Phone Mobile 432-202-5660

### Mud Pumps

# <Pump Number?>	<Make?>	<Mode
Pump Rating (hp)	Rod Diameter (in)	Stroke (in)
Liner Size (in)	Vol/Stk OR (bbl/stk)	
P (psi)	Strokes (sp...)	Q Flow (gpm)
		Eff (%)

### Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

### Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

### Last Casing String

Casing Description Intermediate	Run Date 12/21/2016	Set Depth... 4,327.0
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### Safety Incidents

Time	Category	Type	SubTyp	Cause	Lost time?	Severity

### Drill Strings

#### BHA #4, Slick

BHA # 4	Bit Run R.R.	Drill Bit 8 3/4in, U516M, 28939	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.98
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 1,536.32	String Wt (1000lbf) 42	BHA ROP (ft/...)	

### Drill String Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Bit Sub	1	4 1/2	2.750	2.58	
XO Sub	1	4 1/2	2.750	2.00	
HWDP	50	4	2.750	1,530.74	

### Drilling Parameters

Wellbore Original Hole	Start Depth (ftKB) 4,326.0	End Depth (ftKB) 4,326.0	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Int ROP (ft/hr)	Flow Rate (gpm)
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...)	PU Str Wt (1000...)	SO Str Wt (1000...)	Drilling Torque	Off Btm Tq

### Hydraulic Calculations

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)